



School Committee Meeting

December 20, 2016



Maria A. Hastings Elementary School

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Agenda

- Review Program
- Evaluation of Alternatives
- Preferred Solution, School Committee Discussion
- Review Community/Staff Input



Educational Program

Program (Same for all scenarios)	Existing Building (Deficient spaces) (454 Students)	New Building @ MSBA Standards (454 Students)	New Building @ MSBA Standards (645 Students)
Core Academic	18,787 NFA	24,900 NFA	31,650 NFA
Special Ed.	5,728 NFA	11,550 NFA	12,025 NFA
Art & Music	1,755 NFA	3,850 NFA	5,000 NFA
Health & PE	3,751 NFA	6,300 NFA	6,300 NFA
Media Center	1,622 NFA	2,910 NFA	3,700 NFA
Dining (Cafe, Kitchen, Stage, Teacher Dining)	6,485 NFA	6,730 NFA	8,460 NFA
Medical / Admin	1,721 NFA	2,925 NFA	3,240 NFA
Custodial / Main	988 NFA	2,054 NFA	2,245 NFA
Lextended Day	362 NFA	500 NFA	500 NFA
Sub Total Program	41,199 NFA	61,719 NFA	73,120 NFA
Total Square Footage	62,159 GSF	92,600 GSF	110,000 GSF

NFA = Net Floor Area

Educational Program | Alternatives

Program (Same for all scenarios)	Code Upgrade Only (Deficient spaces) (645 Students)	Reno/Add Building @ MSBA Standards (645 Students)	New Building @ MSBA Standards (645 Students)
Core Academic	18,787 NFA	29,503 NFA	31,650 NFA
Special Ed.	5,728 NFA	12,306 NFA	12,025 NFA
Art & Music	1,755 NFA	5,144 NFA	5,000 NFA
Health & PE	3,751 NFA	6,300 NFA	6,300 NFA
Media Center	1,622 NFA	3,553 NFA	3,700 NFA
Dining (Cafe, Kitchen, Stage, Teacher Dining)	6,485 NFA	8,472 NFA	8,460 NFA
Medical / Admin	1,721 NFA	3,346 NFA	3,240 NFA
Custodial / Main	988 NFA	2,573 NFA	2,245 NFA
Lextended Day	362 NFA	500 NFA	500 NFA
Sub Total Program	41,199 NFA	71,697 NFA	73,120 NFA
Total Square Footage	62,159 GSF	110,500 GSF	110,000 GSF

NFA = Net Floor Area

Final Evaluation of Alternatives

OPTION	Program Area	Gross SF	Construction Cost	Project Cost	Construction Duration
Option 1 Code Upgrade*	41,199 NFA	62,159 SF	\$10,914,000	\$13,642,500	18 Months (2020)
Option 2 Reno/Addition*	71,697 NFA	110,500 SF	\$46,900,000	\$59,300,000	18+ Months (2020)
Option 3 New School	73,120 NFA	110,000 SF	\$49,900,000	\$61,700,000	18 Months (2020)

* Project Cost does not includes Swing Space to house students during construction

Existing | Site



- 426 students
- 64,980 GSF (w/ modulares)
- 1955, 1959, 1995, 2003
- 14.3 acres
- Wetlands
- Steep topography
- Easement



Concept | Renovation / Addition

1.5 acres usable open space

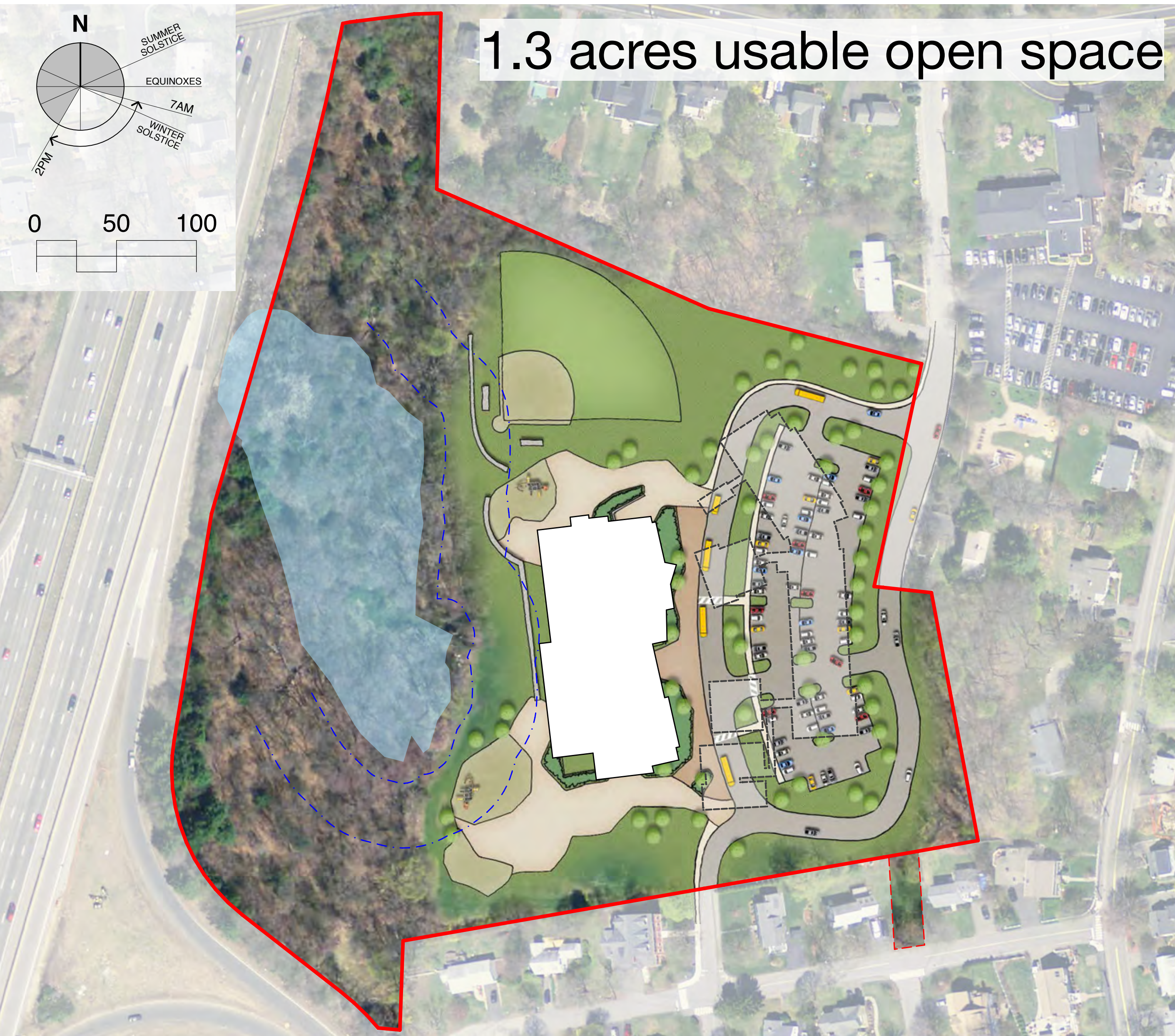


Concept | New – Consideration A



- + Satisfies programmatic adjacencies
- + Provides adequate parking
- + May have expansion possibilities
- Less open space
- Dispersed / inefficient play areas
- Solar orientation not ideal
- Insufficient queuing
- Construction phasing more complicated
- Proximity to neighbors

Concept | New – Consideration B



- + Provides adequate parking
- + May have expansion possibilities
- Does not satisfy programmatic adjacencies
- Less open space
- Dispersed / inefficient play areas
- Poor solar orientation
- Insufficient queuing
- Construction phasing more complicated

Concept | New – Consideration C



- + Satisfies programmatic adjacencies
- + Maximizes open space
- + Achieves parking needs
- + Best traffic circulation
- + Best N / S solar orientation
- + Responds to community requests
- Expansion possibilities under review

Concepts | Usable Open Space



New - Consideration A
1.5 Acres



New - Consideration B
1.3 Acres

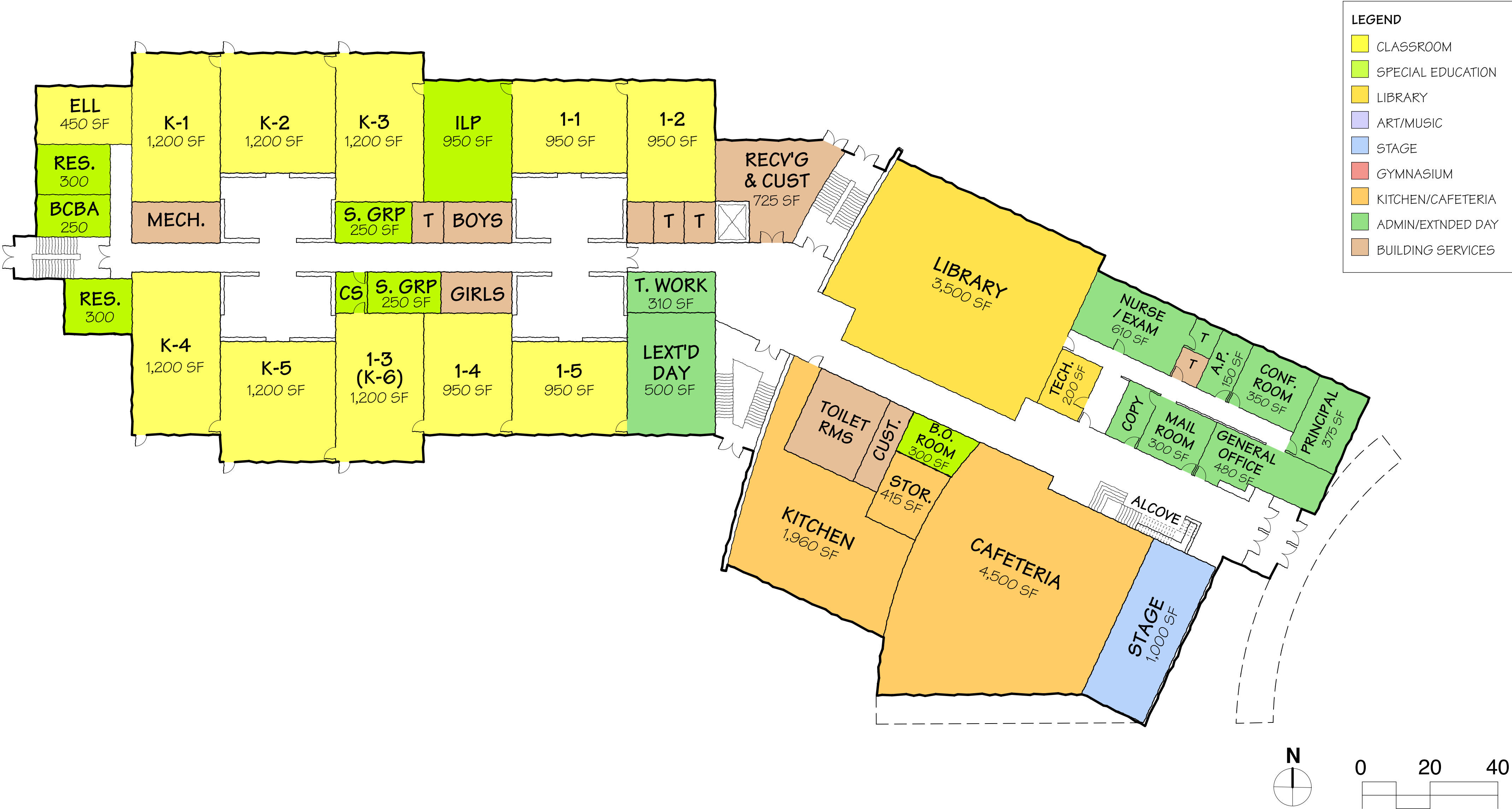


New - Consideration C
1.9 Acres

School Committee Discussion



Educational Program | First Floor Plan



Educational Program | Second Floor Plan



Educational Program | Third Floor Plan



Community Input | Entry Area

- Bright & open, natural light
- Dynamic with energy; colorful; welcoming
- Display of student artwork/science
- School spirit and identity; Re-use the mural from the current entry;
- An interactive quality; interactive display
- Clear line of sight to office, Lobby desk for welcoming visitors
- Glass walls to see into library
- Safe while still being inviting
- Waiting area with seating
- See students from lobby
- Small school feel despite larger size
- PTA presence
- A staircase is not friendly and inviting



Community Input | Main Office

- Office is the school gatekeeper
- Friendly, welcoming, signage - Sense of being greeted
- Multiple height, open counters, out front for meeting and greeting
- Line of sight back to main entry/staff interaction
- Opaque glass to provide some privacy to staff (No grille)
- Create convenience where/when applicable
- Group staff together (SPED, main office, nurse)
- Adjacent conference space, usable by PTA (flexible space)
- Seating for waiting
- A “safe room”
- Storage for student items
- Keep flow of students open, not impeded



Community Input | Library

- Integral part of the school - close to entry; open feel
- Visual cues, age appropriate material
- Natural light! Connect to exterior, Wall of windows; Look out at garden
- Variety of colors to make it lively, cheery, cozy
- Technology center of the school; STEAM/Technology/Engineering
- Interactive wall/touch screen, Integrated A/V equipment
- Story time area that is intimate; risers (stepped/carpeted)
- Access to new books; a way to highlight them
- Quiet area off main library area; nooks and crannies for reading
- Display of artwork; Display cases; Cultural diversity - highlight cultures
- Modular/Adaptable Furniture; Scale, Bean bag chairs, low stacks
- Game area: chess, checkers, puzzles; chess board in floor/carpet
- Community usage: Conference rooms/flexible spaces



Community Input | Cafeteria

- Connection to outdoors; exterior access for recess
- Inviting with views and natural light
- Visual cues that promote healthy eating
- Mural as in current cafeteria (reuse or new)
- Sound proofing/acoustical considerations
- Assembly and performance space
- Flow through the space- kitchen/serving/dining/recess
- Open kitchen- connection to grown food, visible food prep for education
- Composting/recycling area—Green Team
- Table size & configuration; after school program considerations
- Sinks for hand washing/sanitizer
- Storage for extended day program; table/chair storage



Community Input | Outdoor / Recreation

- An “Outdoor Classroom” i.e. Bridge School w/ amphitheater
- Gathering space for students, by class
- Bikes: separation from cars; bike paths; racks/storage
- Pedestrian safety
- Covered spaces for rain/heat
- Garden area w/ seasonal plantings, greenhouse; composting/recycling
- Exterior lighting
- Open space; maximize green space; big back yard concept
 - Playfields/basketball courts/Integrated maps/game boards in play surface
 - Summer/community use
 - Rubber mulch surface for safety
 - Different play areas by age group/grade
- Tree screens/landscaping
- Storage: PTA equipment/maintenance equipment/community events



Staff Input | Classroom

- Flexibility; Movable rugs
- Space and flow within; open space; natural light; heat/air conditioning
- Sinks in classrooms; water fountain; bathrooms in kindergarten
- Built-in storage; shelves wherever possible; teacher lockers; full wall storage with sliding doors
- Horseshoe-shaped small group area; support staff table; triangle desks; multi-purpose benches
- Technology; position students for specific lessons
- Work areas and teaching spaces; RTI space
- ELL and Literacy collaboration
- Centralized specialist spaces; local teacher supply/work/copy stations
- Avoid noisy literacy specialist teaching space
- Linoleum/VCT flooring



Staff Input | Storage

- Sliding whiteboards, storage behind
- “Porch” keeps items out of hallway; reduces clutter; but potential distractions
- Hallway lockers are noisy; cubbies inside classroom quieter
- In-room storage limits space
- Younger students require more help to don their winter clothing
- Curriculum and supply closets near classrooms

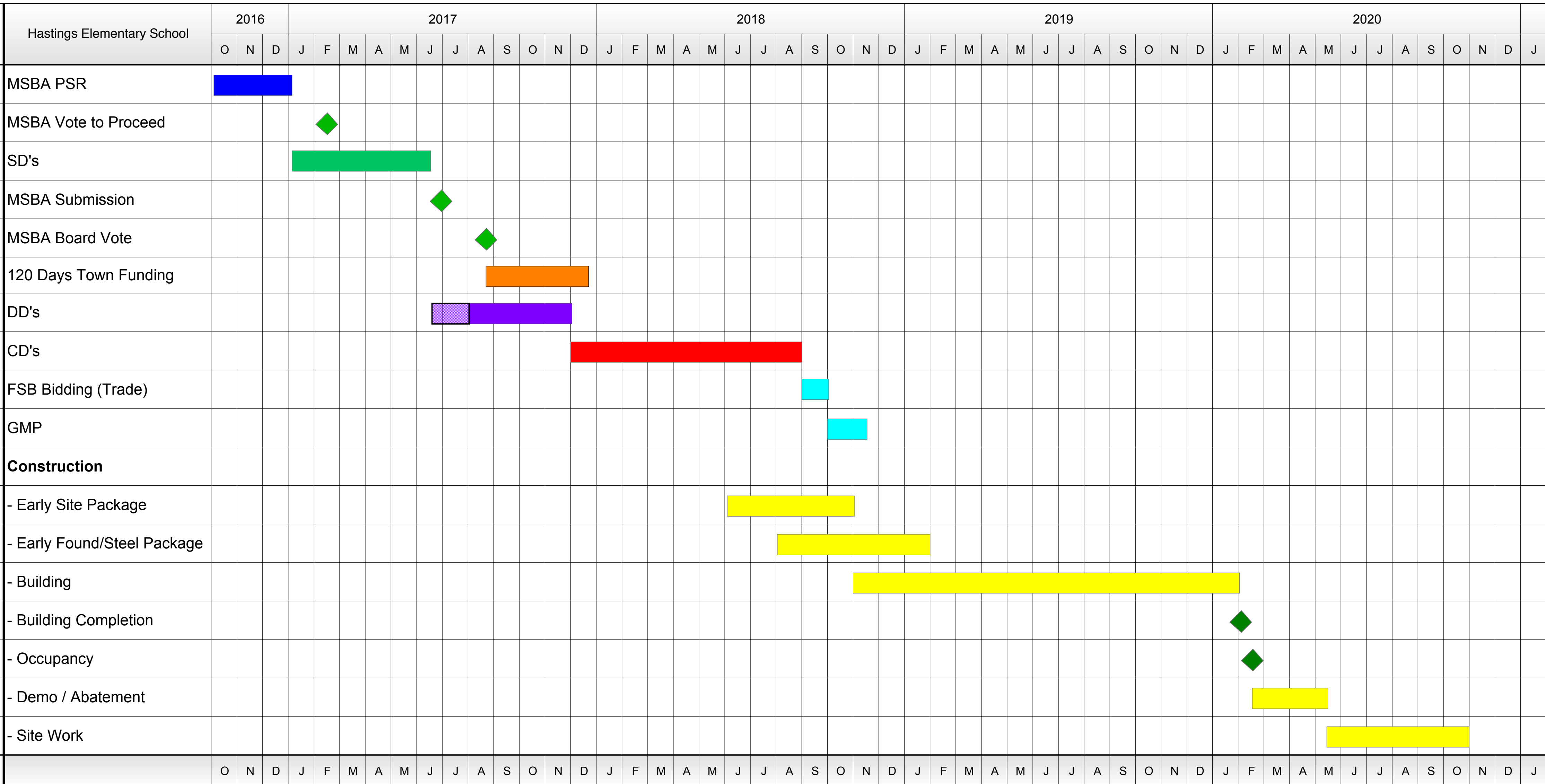


Next Steps

- School Committee Presentation & Recommend. on Preferred Option December 20, 2016
- PBC Support of Preferred Option December 22, 2016
- Preferred Schematic Report (Study) January 4, 2017
- MSBA Board Meeting February 15, 2017
- Schematic Design Completion May / June 2017



Preliminary Schedule





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